FIG. 1

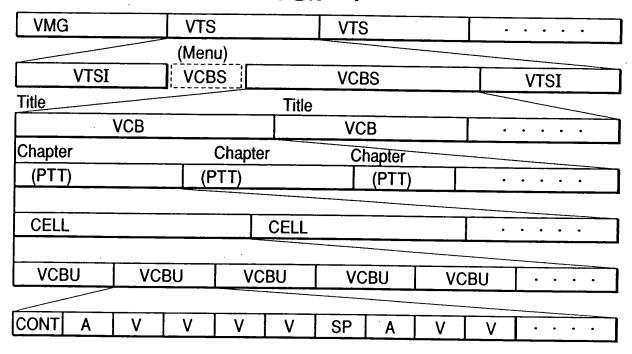


FIG. 2

AMG	ATS	<u> </u>		ATS	<u> </u>		<u> </u>	• • • •
	(Men							
ATSI	ACE	3S    [		ACE	3S			ATSI
Title			Title					
<i>F</i>	ACB			Α	CB			
Track	Tra	<u>ck</u>		Tr	rack			+
(PTT)	(F	PTT) (PTT)						
Index		Ir	ndex					
CELL	CELL							
ACBU	ACBU	ACBU ACBU ACBU ACE					BU	
	0.5 SECO	ND						
A-CONT A1	A1 A2	V	A1	A1	A2	A1	V	

FIG. 3

AMG (AUDIO MANAGER)

AMGI (AUDIO MANAGER)
INFORMATION

AMGM—ACBS
(AMG MENU / AUDIO CONTENTS BLOCK SET)

PCI (PRESENTATION CONTROL INFORMATION)
DSI (DATA SEARCH INFORMATION)

BACKUP AMGI

### FIG. 4

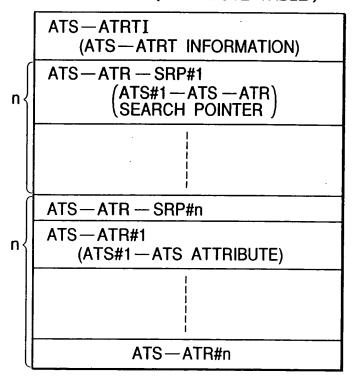
ATS (AUDIO TITLE SET)

ATS I	(AUDIO TITLE SET)							
ATSM	ATSM—ACBS  (ATS MENU / AUDIO CONTENTS BLOCK SET)							
	PCI							
	DSI							
ATST	ATST—ACBS (ATS TITLE—ACBC)							
	PCI							
	DSI							
	BACKUP ATSI							

# AMGI (AUDIO MANAGER)

```
AMGI — MAT
   (AMGI MANAGEMENT TABLE)
T-SRPT
        (TITLE SEARCH POINTER TABLE )
AMGM-PGCI-UT
       (AUDIO MANAGER MENU)
PGCI UNIT TABLE
PTL-MAIT
       (PARENTAL MANAGEMENT)
        INFORMATION TABLE
ATS-ATRT
       (AUDIO TITLE SET ATTRIBUTE TABLE)
TXTDT-MG
   (TEXT DATA MANAGER)
AMGM-C-ADT
   (AMGM CELL ADDRESS TABLE)
AMGM — ACBU — ADMAP
       (AMGM-ACBU-)
ADDRESS MAP
```

ATS-ATRT (AUDIO TITLE SET )



# FIG. 7

ATS-ATR (ATS ATTRIBUTE)

ATS-ATR-EA (END ADDRESS)	4 BYTES
ATS—CAT (CATEGORY)	4 BYTES
ATS—ATR I (ATS—ATR INFORMATION)	768 BYTES

#### ATSI (AUDIO TITLE SET)

ATSI — MAT (ATSI MANAGEMENT TABLE) ATS-PTT-SRPT ATS PART OF TITLE SEARCH POINTER TABLE ATS-PGCIT ATS PROGRAM CHAIN \INFORMATION TABLE ATSM-PGCI-UT (ATS MENU PROGRAM) CHAIN UNIT TABLE ATS-TMAPT (ATS TIME MAP TABLE) ATSM-C-ADT(ATS MENU CELL ) \ADDRESS TABLE / ATSM-ACBU - ADMAP (ATS MENU ACBU) \ADDRESS MAP ATS-C-ADT (ATS CELL ADDRESS TABLE) ATS-ACBU-ADMAP (ATS-ACBU-ADDRESS MAP)

ATSI — MAT

(ATSI MANAGEMENT TABLE)

ATS —ID (IDENTIFIER)
ATS-EA (END ADDRESS)
ATSI-EA
VERN (VERSION NUMBER)
ATS—CAT (CATEGORY)
ATSI — MAT — EA
ATSM-ACBS-SA (START ADDRESS)
ATSA—ACBS—SA
ATS-PTT-SRPT-SA
ATS-PGCIT-SA
ATSM-PGCI-UT-SA
ATS-TMAPT-SA
ATSM-C-ADT-SA
ATSM-ACBU-ADMAP-SA

ATSM-AST-ATR
(ATSM AUDIO STREAM)
ATTRIBUTE

ATS—AST—Ns
(ATS AUDIO STREAM NUMBER)

ATS—AST — ATRT (ATS AUDIO STREAM ) ATTRIBUTE TABLE

ATSM-AST-ATR (AUDIO TITLE SET MENU AUDIO)

b63	b62	_ b61 <sub> </sub>	b60	b59	, b58	b57	b56
AUDIO MODE	ENCO	DING					
b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZA DRC	ATION /	fs	3		AUDI NUMI	O CHAN BER	NEL
b47		<b></b>	·				b40
b39		1		1	1		b32
b31							b24
	<del></del>						
b23	1					L	b16
b15	l						b8
	<del></del>						
b7 ,							b0
				·		···-	

# F/G. 11

BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	7
ATS-AST-ATR								
(AST) #0	(AST) #1	(AST) #2	(AST) #3	(AST) #4	(AST) #5	(AST) #6	(AST) #7	
AUDIO STREAM								

# ATS-AST-ATR (AUDIO TITLE SET AUDIO STREAM ATTRIBUTE DATA)

b63	_ b62	b61	b60	b59 ´	b58	b57	b56
AUDI MODI	O ENCO	DING	ME	AUDIO	TYPE	AUDIO AF Mode	PRICATION
hee	bE4	h.E.O.	<b>LEO</b>	hE1	<b>L</b> E0	<b>h</b> 40	L 40
DIANTI	<u>, b54</u> ZATION /	b53	b52	b51	b50	_ b49 IO CHAN	b48
DRC		fs	S 		NUM	IBER	INCL
							-
b47	, b46	b45	b44	<b> </b>		<u> </u>	b40
AST THIN	NING	LFE THINI	NING				
b39							b32
	1	<u> </u>		l		1	
					·		
b31	1 .	1	L	1 1		, ,	b24
							·
b23		1	L	<u> </u>		1	b16
			· · · · · · · · · · · · · · · · · · ·				
h15							h 0
b15	1 -	L	<u> </u>	<u>.</u>	···	11	b8
			·	<u> </u>			
b7							b0
5,	1	<u> </u>	<u> </u>	<u> </u>			
		<del></del>					

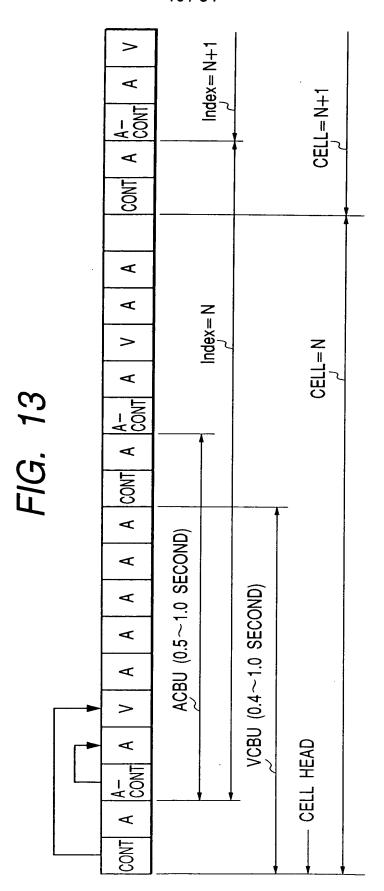


FIG. 14

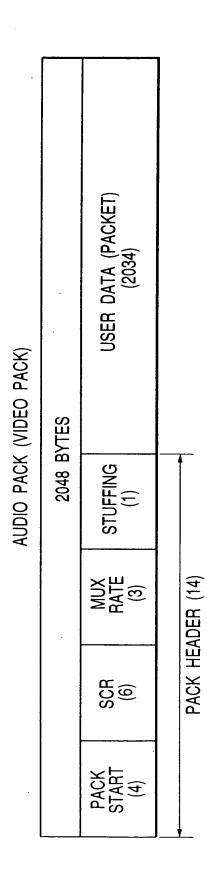
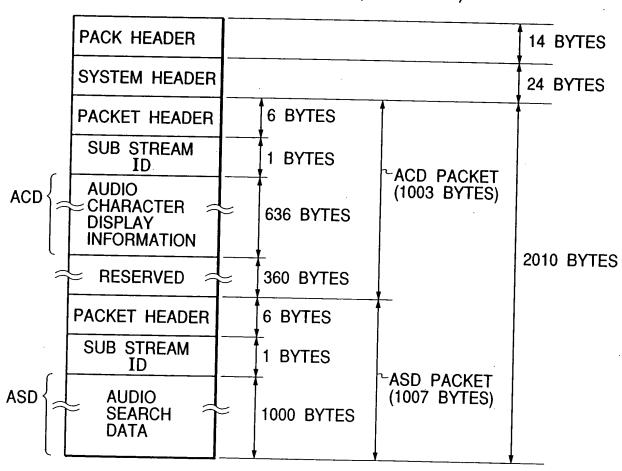


FIG. 15

#### AUDIO CONTROL PACK (2048 BYTES)



#### ACD (636 BYTES)

GENERAL INFORMATION	48 BYTES		
NAME SPACE	93 BYTES	93 BYTES	
FREE SPACE 1	93 BYTES	93 BYTES	
FREE SPACE 2	93 BYTES	93 BYTES	
DATA POINTER	15 BYTES	15 BYTES	
TOTAL	294 BYTES	294 BYTES	

FIRST SECOND LANGUAGE

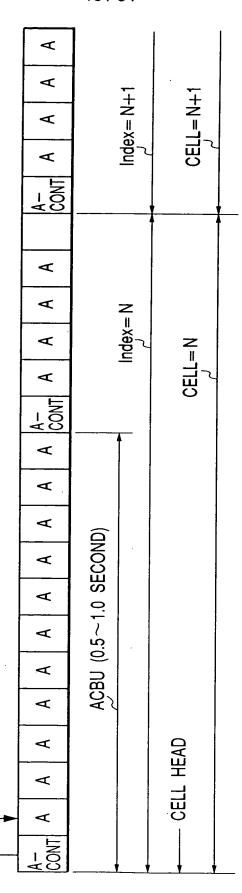
FIG. 17

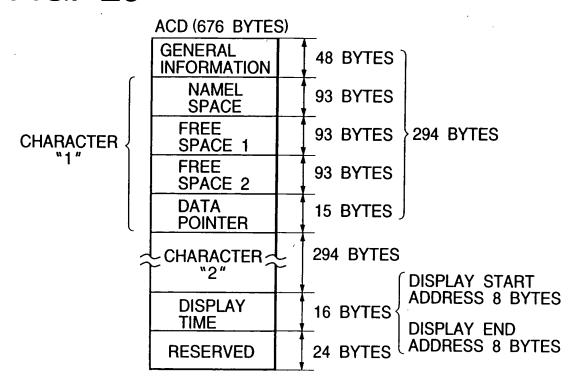
キョクモクカイセツ 前作のエディング曲 " FORGET- ME- NOT "

#### ASD (1000 BYTES)

GENERAL	16 BYTES
PRESENT NUMBER	8 BYTES
PRESENT TIME	16 BYTES
TITLE SET SEARCH	8 BYTES
TITLE SEARCH	8 BYTES
TRACK SEARCH	404 BYTES
INDEX SEARCH	408 BYTES
HIGHLIGHT SEARCH	80 BYTES
RESERVED	52 BYTES
	<del></del>

FIG. 19





#### FIG. 21

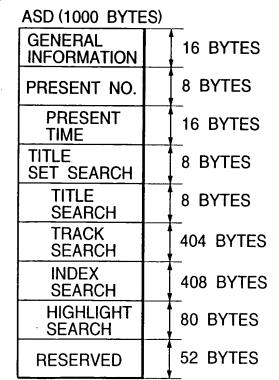


FIG. 22

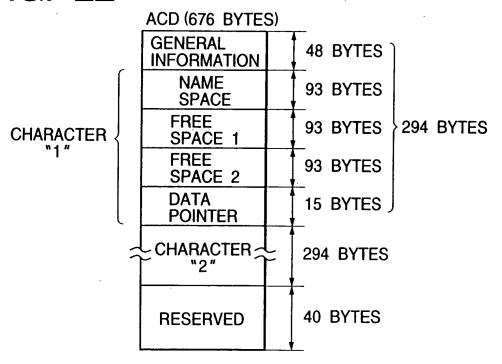
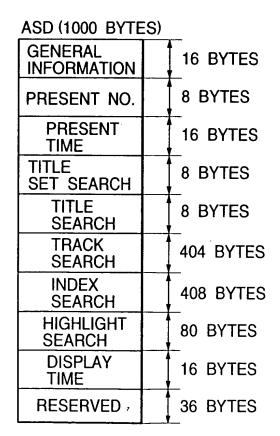


FIG. 23



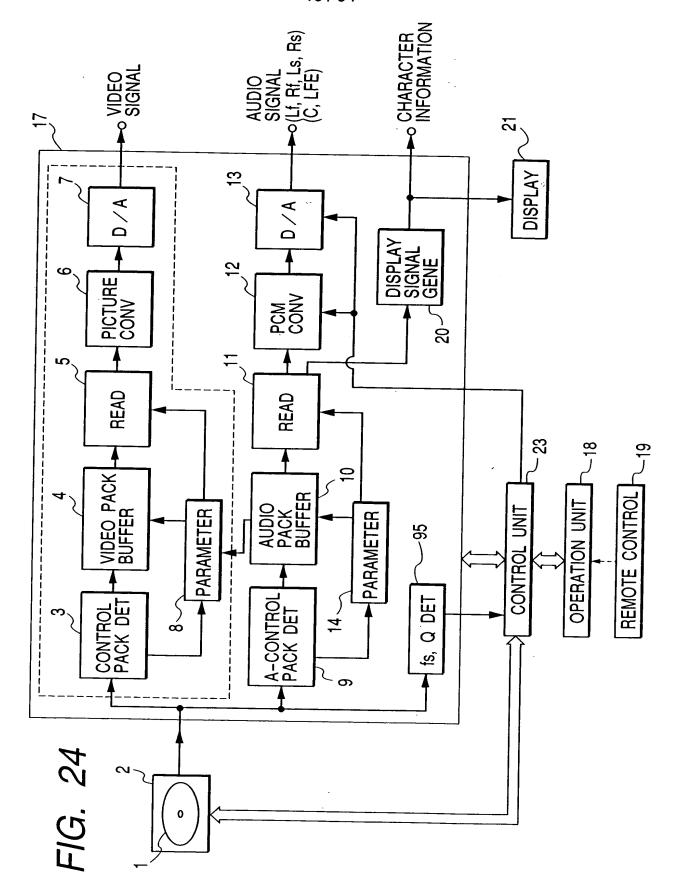
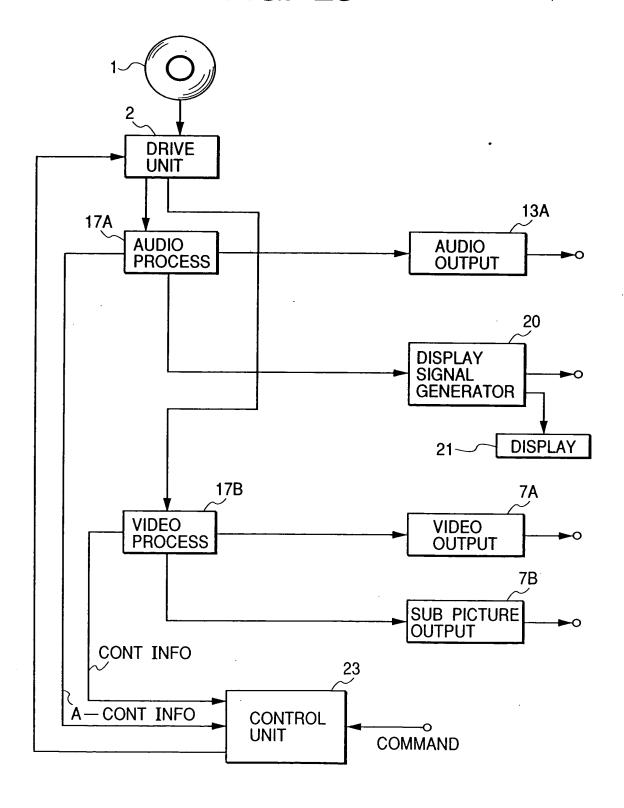


FIG. 25



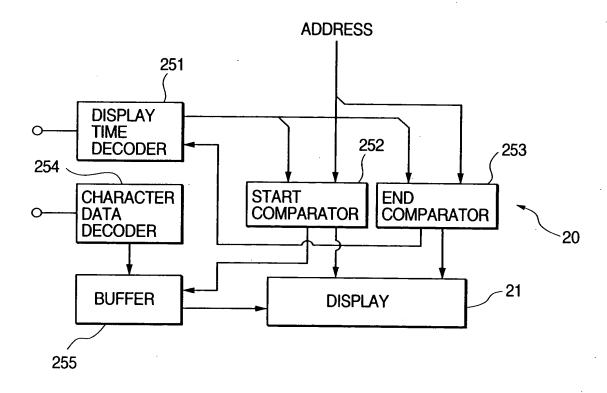


FIG. 27

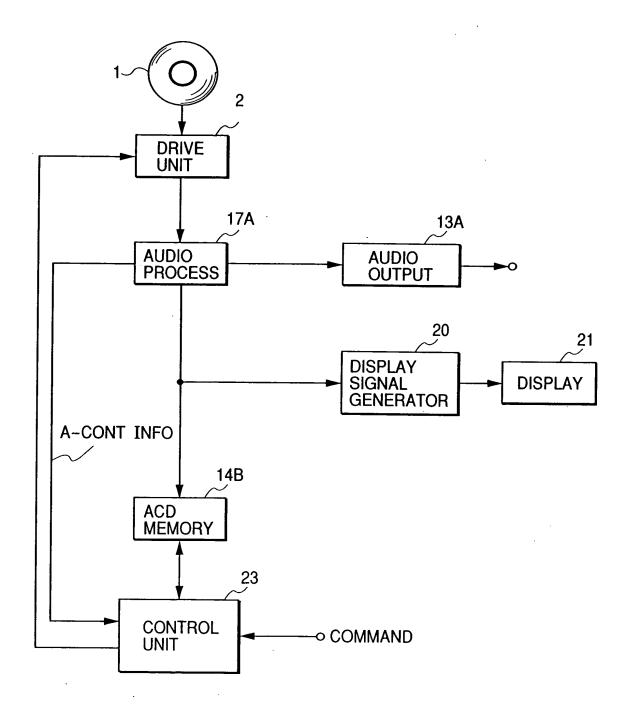
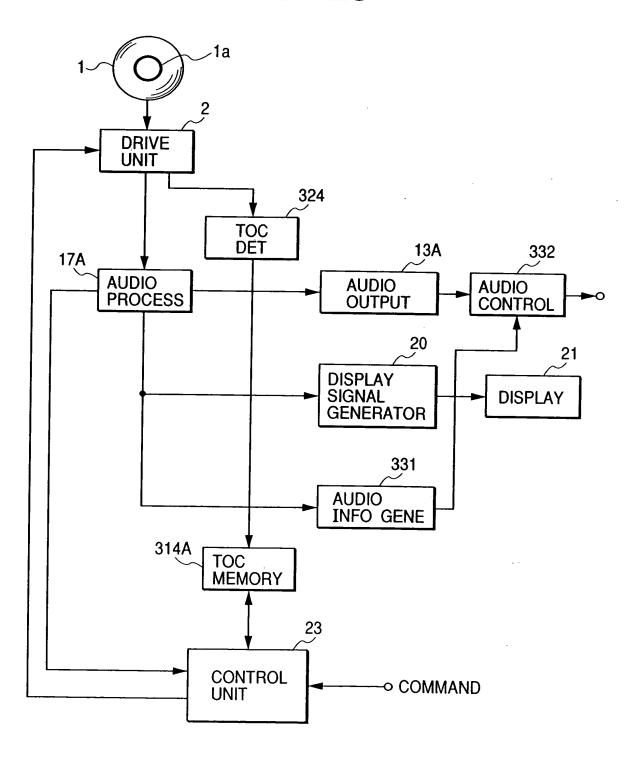


FIG. 28



#### AMGI ( AUDIO MANAGER )

AMGI-MAT (AMGI MANAGEMENT TABLE)
T-SRPT (TITLE SEARCH (POINTER TABLE)
AMGM-PGCI-UT (AUDIO MANAGER MENU) (PGCI UNIT TABLE
PTL-MAIT (PARENTAL MANAGEMENT) (INFORMATION TABLE
ATS-ATRT (AUDIO TITLE SET ) (ATTRIBUTE TABLE)
TXTDT—MG (TEXT DATA MANAGER)
AMGM—C—ADT (AMGM CELL ADDRESS TABLE)
AMGM—ACBU—ADMAP (AMGM—ACBU—ADDRESS MAP)
TOC

FIG. 30

FRAME NUMBER	POINT	PMIN, PSEC, PFRAME
n	01	00, 02, 32
n+1	01	00, 02, 32
n+2	01	00, 02, 32
n+3	02	10, 15, 12
n+4	02	10, 15, 12
n+5	02	10, 15, 12
n+6	03	16, 28, 63
n+7	03	16, 28, 63
n+8	03	16, 28, 63
n+9	0 4	
n+10	0 4	•
n+11	04	
n+12	05	1 SET
n+13	05	
n+14	05	
n+15	06	49, 10, 03
n+16	06	49, 10, 03
n+17	06	49, 10, 03
n+18	A 0	01, 00, 00
n+19	A 0	01, 00, 00
n+20	A 0	01, 00, 00
n+21	A 1	06, 00, 00
n+22	A 1	06, 00, 00
n+23	A 1	06, 00, 00
n+24	A 2	5 2, 4 8, 4 1
n+25	A 2	5 2, 4 8, 4 1
n+26	A 2	5 2, 4 8, 4 1
n+27	0 1	00, 02, 32
n+28	0 1	00, 02, 32
•	•	
•	•	•

### ATSI ( AUDIO TITLE SET INFORMATION

ATSI-MAT (ATSI MANAGEMENT TABLE)
ATS-PTT-SRPT (ATS PART OF TITLE (SEARCH POINTER TABLE)
ATS-PGCIT (ATS PROGRAM CHAIN) (INFORMATION TABLE)
ATSM-PGCI-UT (ATS MENU PROGRAM CHAIN) UNIT TABLE
ATS-TMAPT (ATS TIME MAP TABLE)
ATSM—C—ADT (ATS MENU CELL) (ADDRESS TABLE)
ATSM-ACBU-ADMAP (ATS MENU ACBU) (ADDRESS MAP
ATS-C-ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)
TOC

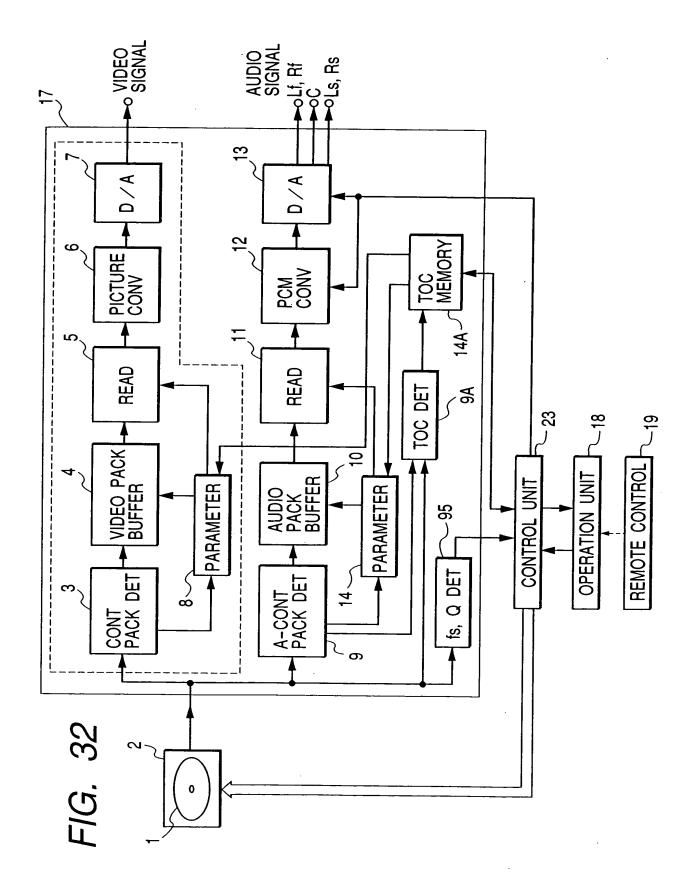


FIG. 33

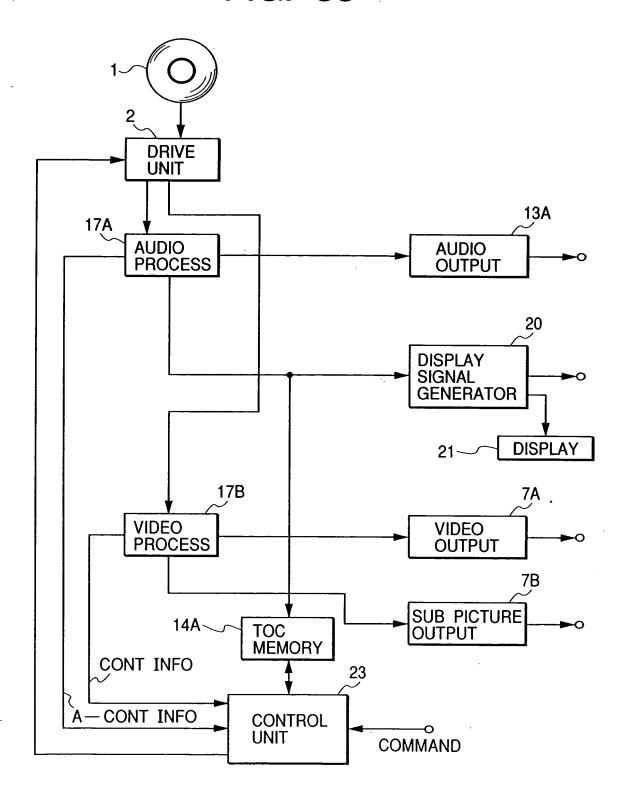


FIG. 34

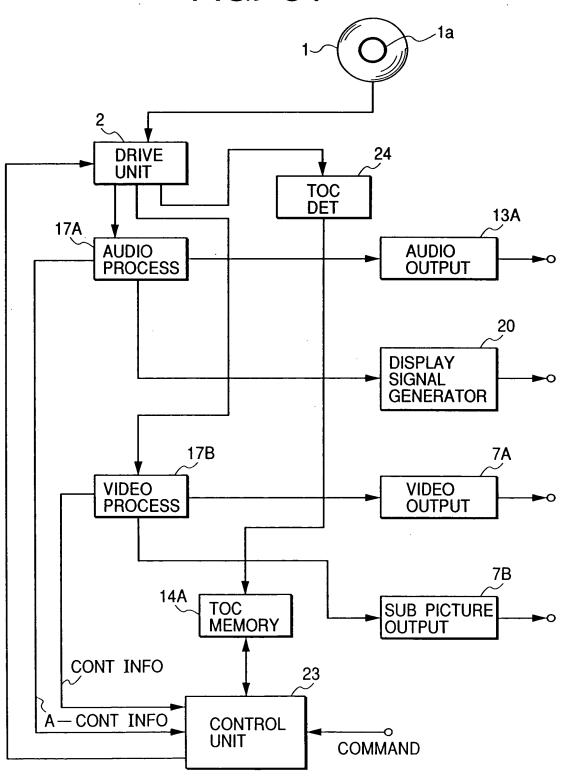
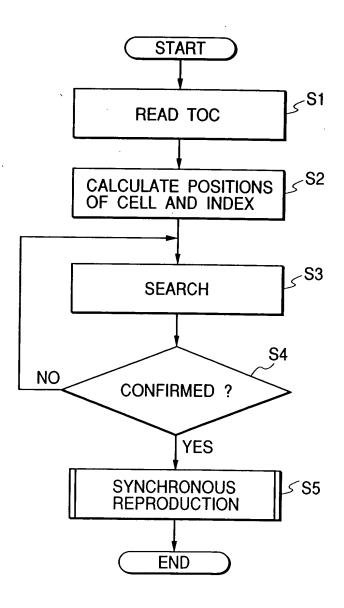


FIG. 35



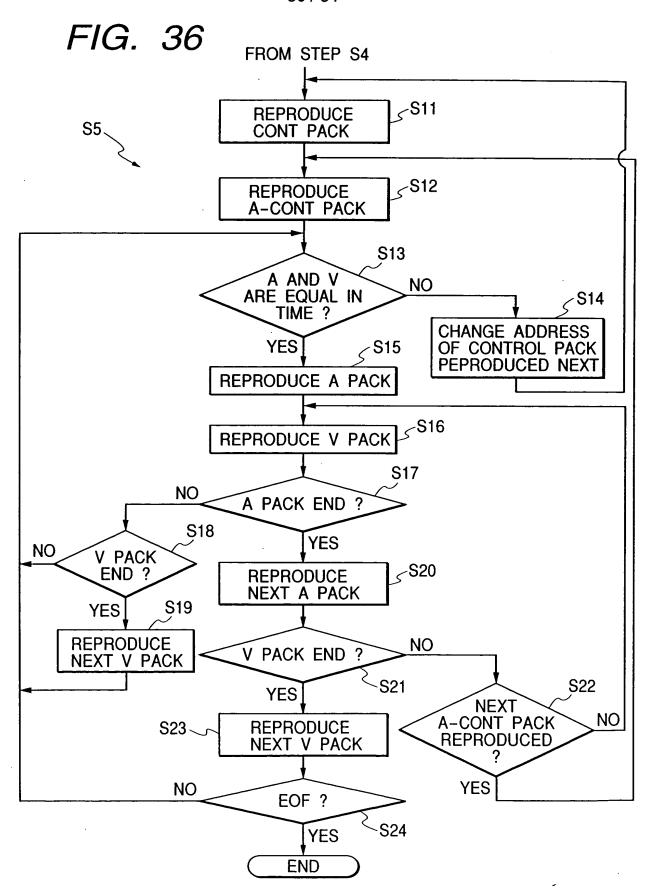
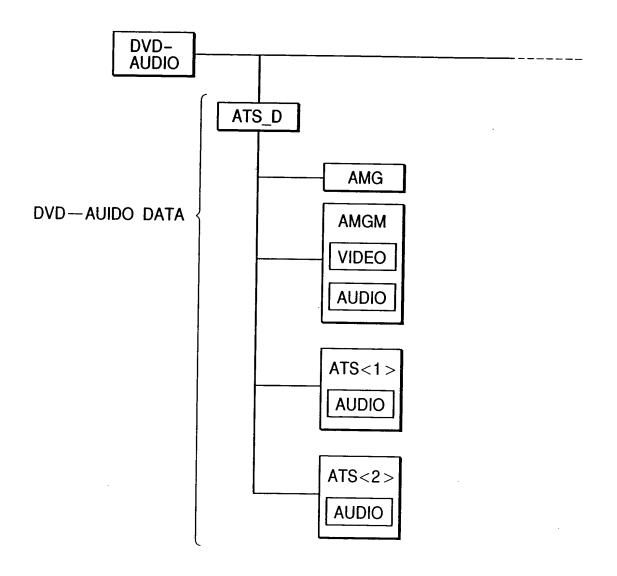


FIG. 37



F/G. 38

	_	
A		
⋖	] =	-
⋖	Index= N+1	CELL=N+1
⋖		병
A		
4		
A	] _ _	
4	Index= N	Z
⋖		CELL=N
Α		
٧		
А		
¥		·
⋖		
⋖		
⋖		
A SPCT		
Α		
А		EAD
А	·	CELL HEAD
А		핑 -
4		

FIG. 39

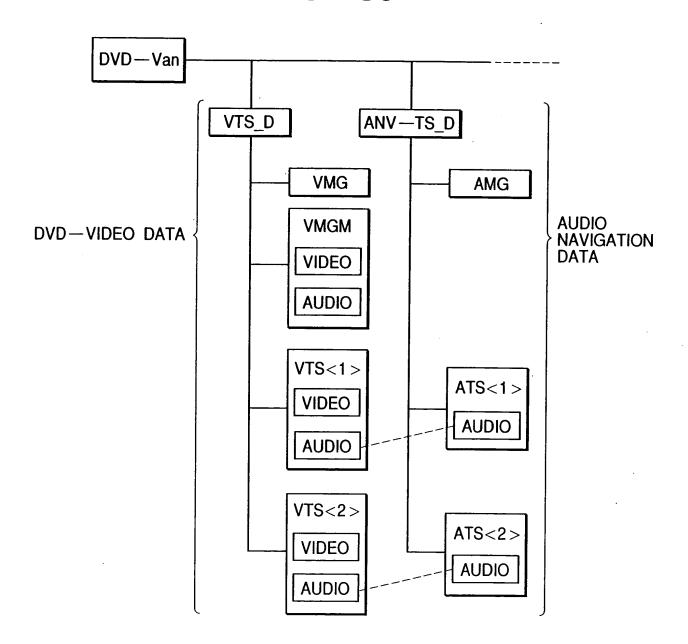


FIG. 40

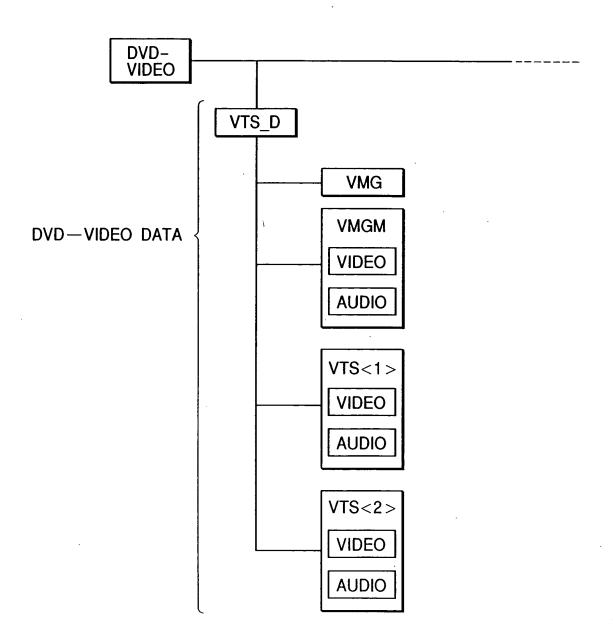
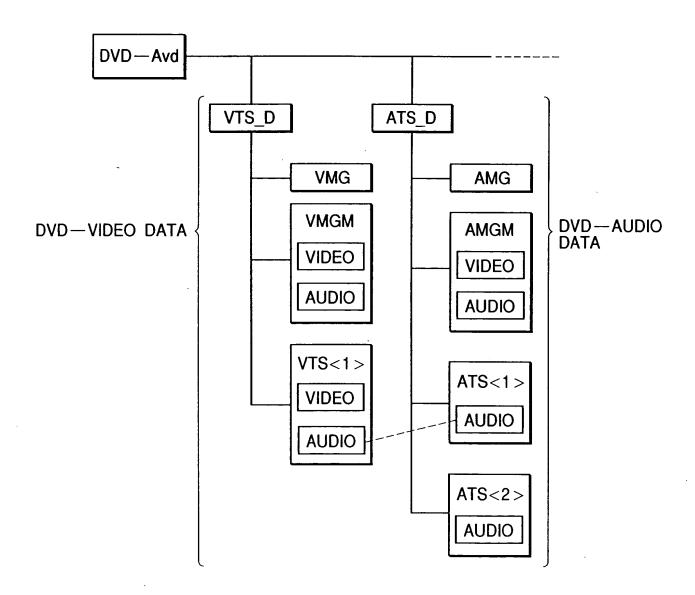


FIG. 41



AOTT-AOB-ATR

b63	b62	b61	_ b60	b59	b58	b57	b56		
AUDIO ENCODING MODE			D-M	MULTICHANNEL STRUCTURE TYPE					
b55	b54	-b53	, b52	b51	b50	b49	b48		
Q1			Q2						
b47	b46	b45	b44	b43	b42	b41	b40		
fs1			fs2						
b39		b37	b36		1		b32		
RESERVED CI			HANNEL ASSIGNMENT						
b31			,	11	1	_	b24		
RESERVED									
b23			1	L 1			b16		
RESERVED									
b15			1				b8		
RESERVED									
b7			1				b0		
RESERVED									

#### LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	4	
ISRC NUMBER	4	2
ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG F1	1	-
AUDIO EMPHASIS FLAG F2	1	4
RESERVED	1	1
DOWN MIX CODE	5	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	•
AUDIO SAMPLING FREQUENCY fs 1	4	1
AUDIO SAMPLING FREQUENCY fs 2	4	<b>1</b>
RESERVED	4	
MULTICHANNEL TYPE	4	1
CHANNEL ASSIGNMENT 1	4	
CHANNEL ASSIGNMENT 2	4	1
DYNAMIC RANGE CONTROL	8	1
STUFFING BYTE	_	0-7

FIG. 44

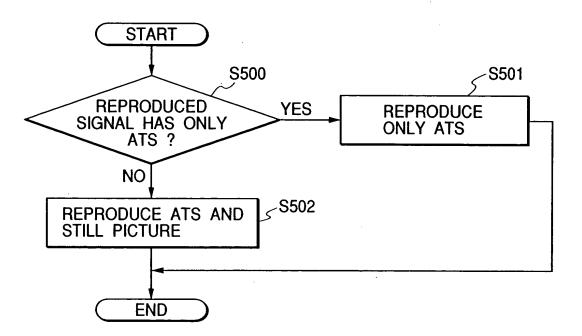


FIG. 45

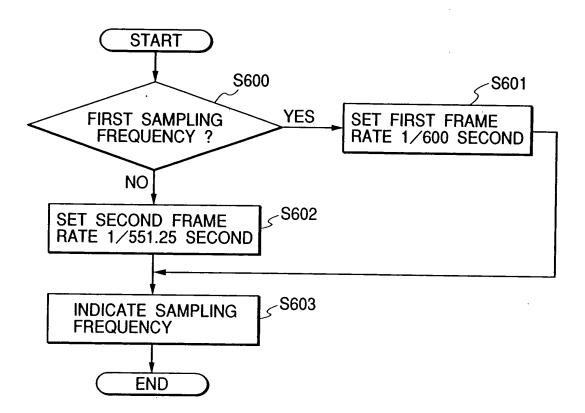


FIG. 46

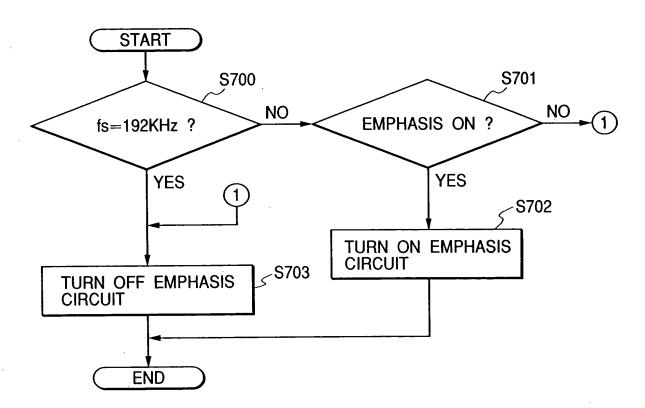
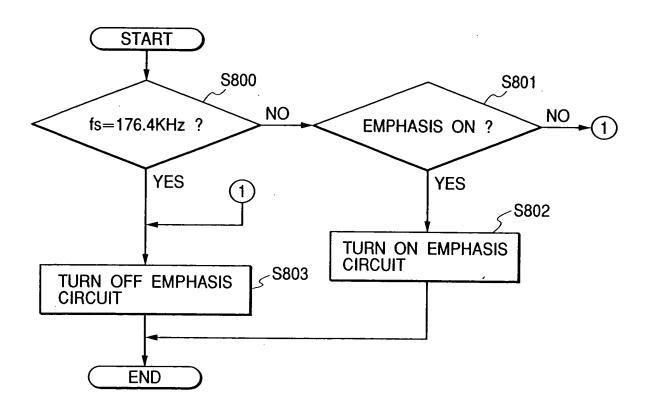
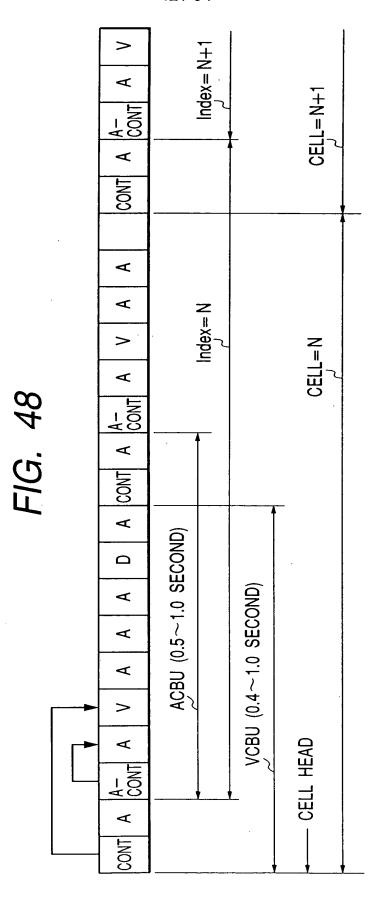


FIG. 47





⋖ ⋖ Index= N+1 CELL=N+1 V ¥ A-CONT ¥ Index=N Ø CELL=N Ø ⋖ FIG. 49 A-CONT Ø 4 ⋖ ACBU (0.5~1.0 SECOND) V Ø Ω Ø 4 CELL HEAD × Þ

FIG. 50

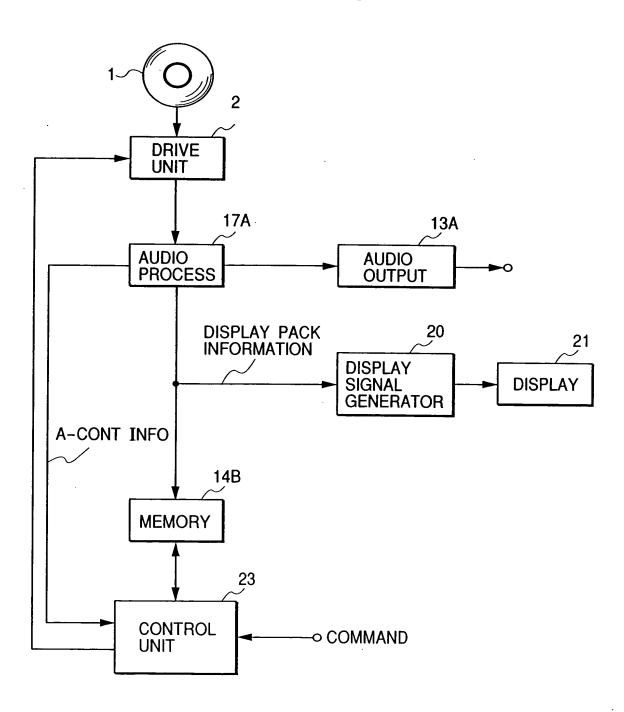


FIG. 51

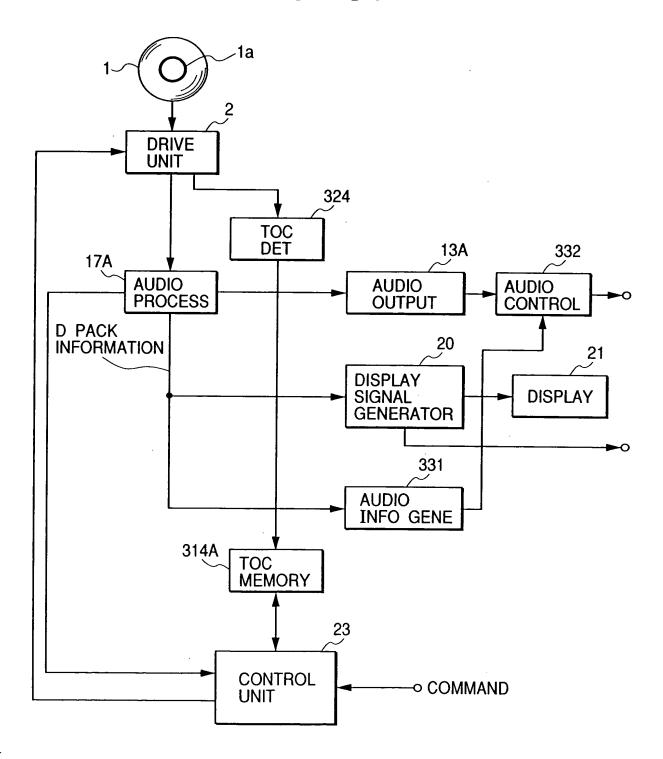


FIG. 52

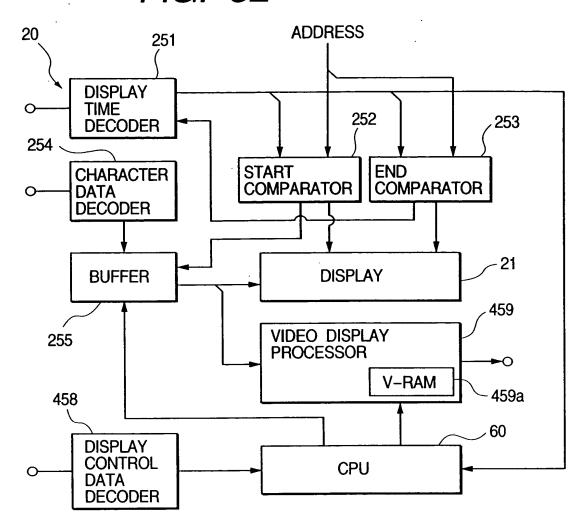


FIG. 53

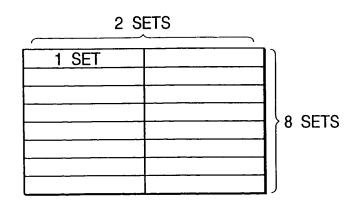


FIG. 54

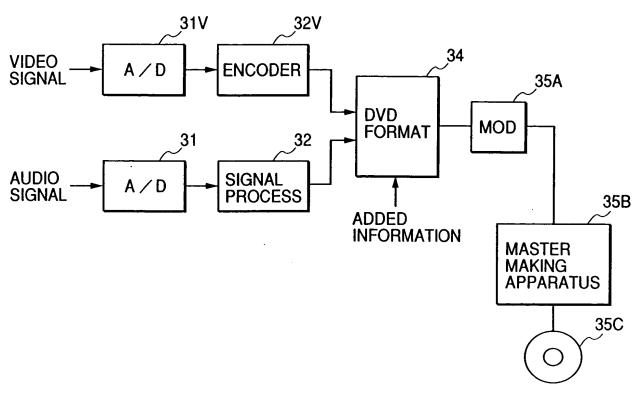
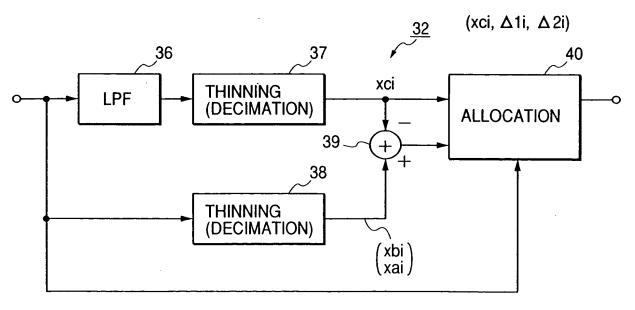


FIG. 55



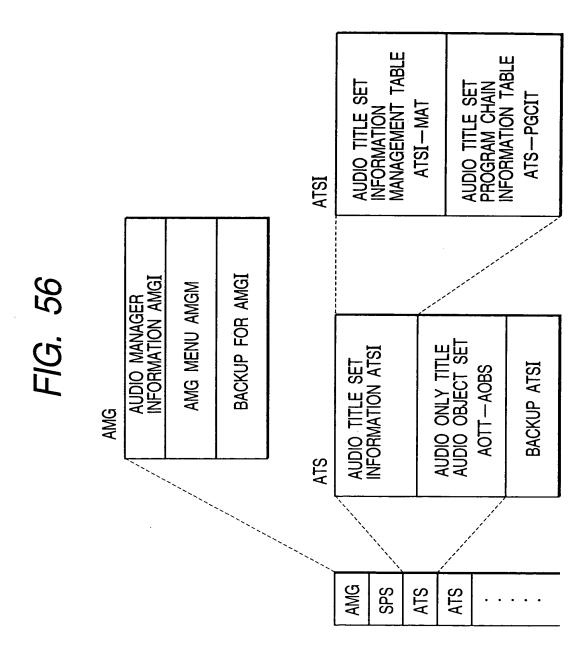


FIG. 57

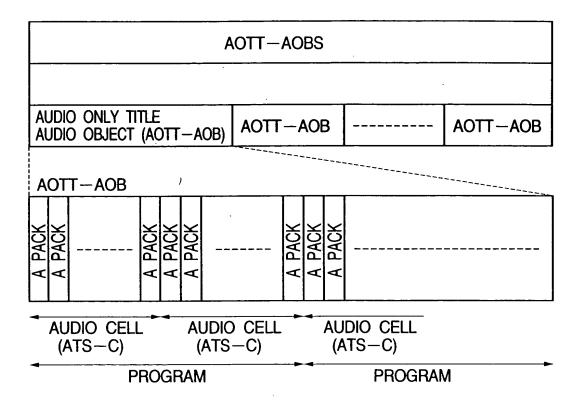


FIG. 58

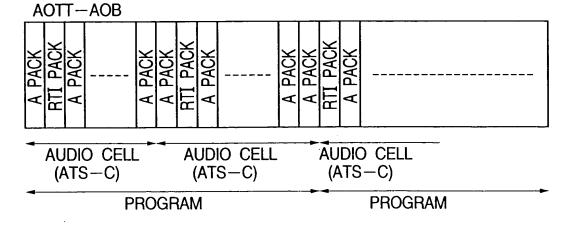


FIG. 59

LINEAR PCM AUDIO PACK

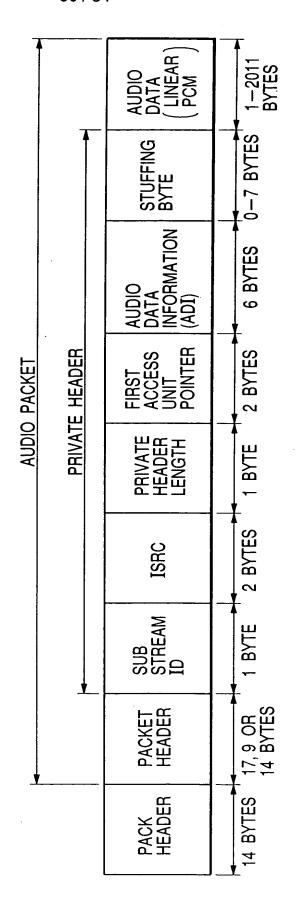


FIG. 60

#### LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	3	
UPC/EAN-ISRC NUMBER	5	2
UPC/EAN-ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG	1	
RESERVED	1	
DOWN MIX CODE	1	1
DOWN MIX CODE EFFECTIVENESS	1	
DOWN MIX CODE	4	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	<b>,</b>
AUDIO SAMPLING FREQUENCY fs 1	4	1
AUDIO SAMPLING FREQUENCY fs 2	4	·
RESERVED	4	1
MULTICHANNEL TYPE	4	'
BIT SHFT OF CHANNEL GROUP 2	3	1
CHANNEL ASSIGNMENT	5	<u>'</u>
DYNAMIC RANGE CONTROL	8	1
RESERVED	8	2
RESERVED	8	۷
STUFFING BYTE		8

ADI ·

				ia.	OI				
<b></b>	b7	b6	b5	b4	b3	b2	b1	b0	
	RESI	ERVED	COUN	TRY CO	DE (ISRC	#1)			
<b></b>			<u></u>						
			F	F/G.	<i>62</i>				
_	b7	b6	b5	b4	b3	b2	b1	b0	
	RES	RVED	COUN	COUNTRY CODE (ISRC #2)					
			_						
			F	F/G.	63				
_	b7	b6	b5	b4	b3	b2	b1	b0	
	RESE	RVED	COPY	RIGHT H	OLDER C	ODE (I	SRC #3)	i	
			_						
			F	FIG.	64				
r	b7	b6	b5	b4	b3	b2	b1	b0_	
	RESE	RVED	COPYF	RIGHT H	OLDER C	ODE (I	SRC #4)		
			F	FIG.	<i>65</i>				
_	b7	b6	b5	b4	b3	b2	b1	b0	
	RESE	RVED	COPYF	RIGHT H	OLDER C	ODE (I	SRC #5)		
			_	~. ^					
			F	7G.	66				
	b7	b6	b5	b4	b3	b2	b1	b0	
		RESE	RVED		RECO	RDING	YEAR (ISF	RC #6)	
					_				
			F	FIG.	<i>67</i>				
Γ	b7	<u>b6</u>	b5	b4	b3	b2	b1	b0	
		RESE	RVED		RECOR	RDING	YEAR (ISF	RC #7)	

FIG. 68

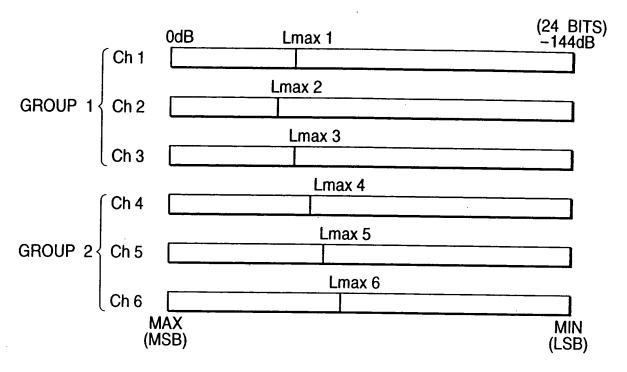


FIG. 69

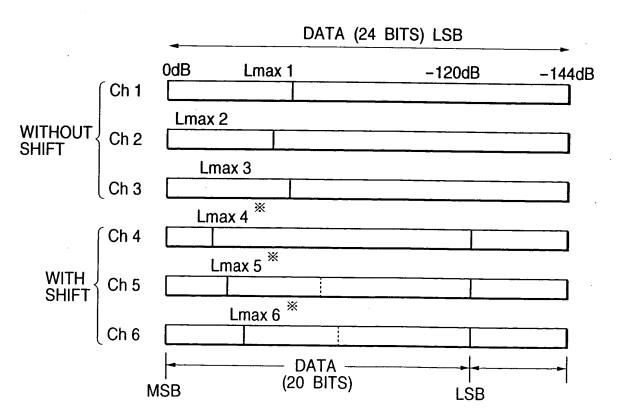


FIG. 70

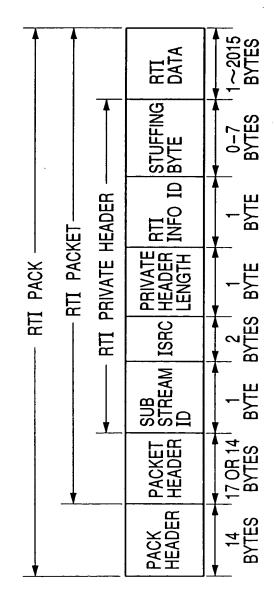


FIG. 71

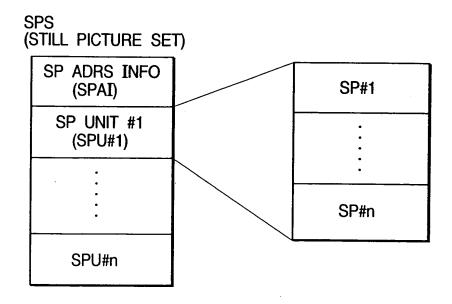
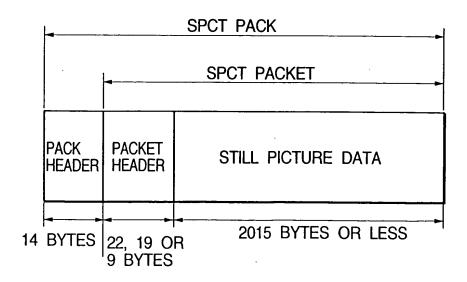


FIG. 72



#### ATSI-MAT

		<del>,                                     </del>
RBP		BYTE NUMBER
0~11	ATS IDENTIFIER (ATS-ID)	12
12~15	ATS END ADRS (ATS-EA)	4
16~27	RESERVED	12
28~31	ATSI END ADRS (ATSI—EA)	4
32, 33	VERSION NO (VERN)	2
34~127	RESERVED	94
128~131	ATSI-MAT END ADRS	4
132~191	RESERVED	60
192~195	AOTT VTS START ADRS	4
196~199	AOTT AOBS START ADRS (AOTT VOBS START ADRS)	4
200~203	RESERVED	4
204~207	ATS-PGCIT START ADRS	4
208~255	RESERVED	48
256~383	AOTT-AOB-ATR AOTT-VOB-AST-ATR	128
384~671	ATS-DM-COEFT#0~#15	288
672~703	RESERVED	32
704~705	STILL PICTURE DATA ATTRIBUTE (ATS-SPCT-ART)	2
706~2047	RESERVED	1342

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AOTT-AOB-ATR

b127	b126	<u>b125</u> AU	b124 DIO ENO	b123 CODING M	b122 1ODE	b121	b120
b119	b118	b117	b116 RESE	b115	b114	b113	b112
b111	b110	b109 Q1	b108	b107	b106 Q	b105 2	b104
b103	b102	b101 fs1	b100	b99	b98 fs	b97	b96
b95 MULTICHAN	b94	b93 CTURE TYPE	b92	b91 CHANNE	b90 L ASSIGI	<b>b</b> 89	b88
b87	b86	b85	b84 RESE	b83 RVED	b82	b81	b80
b79	b78	. b77	b76 RESEI	b75 RVED	b74	b73	b72
b71	b70	b69	b68 RESEI	b67 RVED	b66	b65	b64
b63	b62	b61	b60 RESEI	b59 RVED	b58	b57	b56
b55	b54	b53	b52 RESEI	b51 RVED	b50	b49	b48
b47	b46	b45	b44 RESEI	b43 RVED	b42	b41	b40
b39	b38	b37	b36 RESEI	b35 RVED	b34	b33	b32
b31	b30	b29	b28 RESEI	b27	b26	b25	b24
b23	b22	b21	b20 RESEI	b19	b18	b17	b16
b15	b14	b13	b12 RESEI	b11	b10	b9	b8
b7	b6	b5	b4 RESEI	b3	b2	b1	b0

CHANNEL ASSIGNMENT INFORMATION (BIT PATTERN)         CHANNEL GROUPS 1, 2         CHANNEL STRUCTURE OF GROUP 1, 2         CHANNEL NUMBER IN NUMBER IN NUMBER IN ORD (BROUP 2)         CHANNEL NUMBER IN NUMBER IN NUMBER IN GROUP 1         CHANNEL NUMBER IN GROUP 1         CHANNEL NUMBER IN NUMBER IN NUMBER IN GROUP 2         CHANNEL NUMBER IN NUMBER IN NUMBER IN NUMBER IN GROUP 2         CHANNEL STRUCTURE OF SUMBER IN SUMBER IN SUMBER IN GROUP 2         CHANNEL STRUCTURE OF SUMBER IN SUMBER	CHANNEL	T							<del></del>
NFORMATION   RETURN   ACH0   ACH1   ACH2   ACH3   ACH4   ACH5   GROUP 1   GROUP 2									
BIT PATTERN  ACHO   ACH1   ACH2   ACH3   ACH4   ACH5   GROUP 1   GROUP 2			GHOU						
00001b         L         R         none         none         none         none         none         2         0           00010b         Lf         Rf         S         none         none         none         2         1           00011b         Lf         Rf         Ls         Rs         none         none         2         2           00100b         Lf         Rf         LFE         none         none         none         2         2           00101b         Lf         Rf         LFE         S         none         none         2         2           00110b         Lf         Rf         C         none         none         2         3           00111b         Lf         Rf         C         S         none         none         2         3           01001b         Lf         Rf         C         LFE         none         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         3           01010b         Lf         Rf         C         LFE         S         none         2         3		ACH0	ACH1	ACH2	ACH3	ACH4	ACH5	1	
00010b         Lf         Rf         S         none         none         none         2         1           00011b         Lf         Rf         Ls         Rs         none         none         2         2           00100b         Lf         Rf         LFE         none         none         none         2         1           00101b         Lf         Rf         LFE         S         none         none         2         2           00110b         Lf         Rf         C         none         none         2         3           00111b         Lf         Rf         C         S         none         none         2         1           01000b         Lf         Rf         C         Ls         Rs         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         3           01010b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01	00000b	C(mono)	none	none	none	none	none	1	0
00011b         Lf         Rf         Ls         Rs         none         none         2         2           00100b         Lf         Rf         LFE         none         none         none         2         1           00101b         Lf         Rf         LFE         S         none         none         2         2           00110b         Lf         Rf         LFE         Ls         Rs         none         2         3           00111b         Lf         Rf         C         none         none         2         3           01000b         Lf         Rf         C         Ls         Rs         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         2           01010b         Lf         Rf         C         LFE         s         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         LFE         Ls         Rs         2           01111b         L	00001b	L	R	none	none	none	none	2	0
00100b         Lf         Rf         LFE         none         none         none         2         1           00101b         Lf         Rf         LFE         S         none         none         2         2           00110b         Lf         Rf         LFE         Ls         Rs         none         2         3           00111b         Lf         Rf         C         none         none         none         2         1           01000b         Lf         Rf         C         S         none         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         3           01010b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         S         none         2         3           01101b         Lf         Rf         C         S         none         3         1           01110b         Lf         Rf         C         LFE         Ls         Rs         none         3         2      <	00010b	Lf	Rf	S	none	none	none	2	1
00101b         Lf         Rf         LFE         S         none         none         2         2           00110b         Lf         Rf         LFE         Ls         Rs         none         2         3           00111b         Lf         Rf         C         none         none         none         2         1           01000b         Lf         Rf         C         S         none         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         3           01010b         Lf         Rf         C         LFE         s         none         2         3           01100b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         LFE         Ls         Rs         2         4           01111b         Lf         Rf         C         Ls         Rs         none         3         1	00011b	Lf	Rf	Ls	Rs	none	none	2	2
00110b         Lf         Rf         LFE         Ls         Rs         none         2         3           00111b         Lf         Rf         C         none         none         none         2         1           01000b         Lf         Rf         C         S         none         none         2         2           01001b         Lf         Rf         C         LFE         none         none         2         2           01010b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         Ls         Rs         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         1	00100b	Lf	Rf	LFE	none	none	none	2	1
00111b         Lf         Rf         C         none         none         none         2         1           01000b         Lf         Rf         C         S         none         none         2         2           01001b         Lf         Rf         C         Ls         Rs         none         2         3           01010b         Lf         Rf         C         LFE         S         none         2         2           01011b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         Ls         Rs         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         2           10000b	00101b	Lf	Rf	LFE	S	none	none	2	2
01000b         Lf         Rf         C         S         none         none         2         2           01001b         Lf         Rf         C         Ls         Rs         none         2         3           01010b         Lf         Rf         C         LFE         none         none         2         2           01011b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         S         none         none         3         1           01101b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         3         2           01111b         Lf         Rf         C         LFE         s         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         2           10000b	00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
01001b         Lf         Rf         C         Ls         Rs         none         2         3           01010b         Lf         Rf         C         LFE         none         none         2         2           01011b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         S         none         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         2           01111b         Lf         Rf         C         LFE         s         none         3         2           01111b         Lf         Rf         C         LFE         s         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         1           <	00111b	Lf	Rf	C ·	none	none	none	2	1
01010b         Lf         Rf         C         LFE         none         none         2         2           01011b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         S         none         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         2           01111b         Lf         Rf         C         LFE         S         none         3         2           10000b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         C         none         4         1 <t< td=""><td>01000b</td><td>Lf</td><td>Rf</td><td>С</td><td>S</td><td>none</td><td>none</td><td>2</td><td>2</td></t<>	01000b	Lf	Rf	С	S	none	none	2	2
01011b         Lf         Rf         C         LFE         S         none         2         3           01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         S         none         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         1           10000b         Lf         Rf         C         LFE         S         none         3         2           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01001b	Lf	Rf	C	Ls	Rs	none	2	3
01100b         Lf         Rf         C         LFE         Ls         Rs         2         4           01101b         Lf         Rf         C         S         none         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         1           10000b         Lf         Rf         C         LFE         S         none         3         2           10010b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10100b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01010b	Lf	Rf	С	LFE	none	none	2	2
01101b         Lf         Rf         C         S         none         none         3         1           01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         1           10000b         Lf         Rf         C         LFE         S         none         3         2           10001b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10010b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01011b	Lf	Rf	С	LFE	S	none	2	3
01110b         Lf         Rf         C         Ls         Rs         none         3         2           01111b         Lf         Rf         C         LFE         none         none         3         1           10000b         Lf         Rf         C         LFE         S         none         3         2           10001b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01100b	Lf	Rf	С	LFE	Ls	Rs	2	4
01111b         Lf         Rf         C         LFE         none         none         3         1           10000b         Lf         Rf         C         LFE         S         none         3         2           10001b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01101b	Lf	Rf	С	S	none	none	3	1
10000b         Lf         Rf         C         LFE         S         none         3         2           10001b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01110b	Lf	Rf	С	Ls	Rs	none	3	2
10001b         Lf         Rf         C         LFE         Ls         Rs         3         3           10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	01111b	Lf	Rf	С	LFE	none	none	3	1
10010b         Lf         Rf         Ls         Rs         LFE         none         4         1           10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	10000b	Lf	Rf	С	LFE	S	none	3	2
10011b         Lf         Rf         Ls         Rs         C         none         4         1           10100b         Lf         Rf         Ls         Rs         C         LFE         4         2	10001b	Lf	Rf	С	LFE	Ls	Rs	3	. 3
10100b Lf Rf Ls Rs C LFE 4 2	10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
	10011b	Lf	Rf	Ls	Rs	С	none	4	1
OTHERS RESERVED	10100b	Lf	Rf	Ls	Rs	С	LFE	4	2
	OTHERS				RESERV	ED			

CHANNEL GROUP 1

CHANNEL GROUP 2

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 ${\tt AOTT-VOB-AST-ATR}$ 

,	NOTI — VOB -	- A31 — A	1111				
b127	b126		b124			b121	b120
		AL	JDIO ENC	CODING	MODE		
b119	b118	b117	b116	b115	b114	b113	b112
			RESE	RVED			
b111	b110	b109	b108	b107	b106	b105	b104
	Q		<del></del>		RESE	RVED	
b103	b102	b101	b100	b99	<u>b98</u>	b97	b96
	fs				RESE	RVED	
<u>b95</u>	b94	b93	b92	b91	b90	b89	b88
MULTICH	HANNEL STRUCTU	JRE TYPE	-	CHANN	EL ASSIGN	MENT	
b87	b86	b85	b84	b83	b82	b81	b80
DECODIN	ig audio stream	NUMBER		F	RESERVED		
b79_	<u>b</u> 78	b77	b76	b75	b74	b73	b72
MPEG	AUDIO DRC	RESE	RVED	COMPRES	SSION AUDIO	CHANNEL	NUMBER
b71_	b70	b69	b68_	b67	b66	b65	b64
			RESE	RVED			
b63_	b62	b61	b60	b59	b58	b57	b56
			RESE	RVED			
b55_	b54	b53	b52	b51	b50	b49	b48
			RESE	RVED			
b47_	b46	b45	b44	b43	b42	b41	b40
			RESE	RVED			
b39_	b38	b37	b36	<u>b35</u>	b34	b33	b32
			RESE	RVED			
b31_	b30	b29	b28	b27	b26	b25	b24
			RESEF	RVED			
b23	b22	b21	b20	b19	b18	b17	b16
			RESEF	RVED			
b15	b14	b13	b12	b11	b10	b9	b8
RESERVED							
b7	b6	b5	b4	b3	b2	b1	b0
			RESEF	RVED			
· · · · · · · · · · · · · · · · · · ·							

#### ATS-DM-COEFT#0-#15

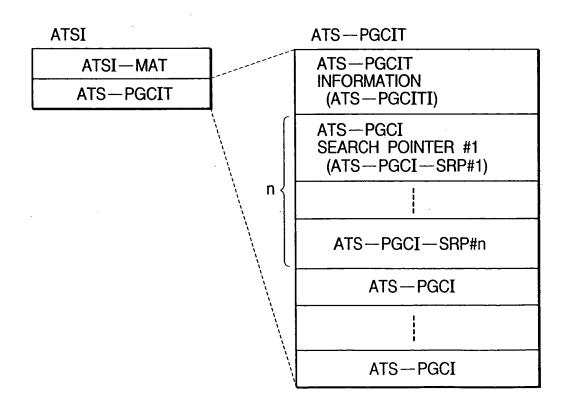
CONTENTS	BYTE NUMBER
DOWN MIX COEFFICIENT OF TABLE NUMBER 0	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 1	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 2	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 3	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 4	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 5	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 6	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 7	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 8	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 9	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 10	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 11	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 12	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 13	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 14	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 15	18

FIG. 78

ATS-SPCT-ATR

b15	b14	b13	b12	b11	b10	b9	b8
VIDEO COMPRESS	ION MODE	TV SY	/STEM	ASPEC	T RATIO	DISPLAY	MODE
			<del> </del>				
b7	<b>b</b> 6	b5	b4	b3	b2	b1	b0
RESEF	RVED	SOURCE PICTURE RESOLUTION			RESERVED		

FIG. 79



#### ATS-PGCITI

RBP		BYTE NUMBER
0~1	ATS-PGCI-SRP NUMBER	2
2~3	RESERVED	2
4~7	ATS-PGCIT END ADRS	4

### FIG. 81

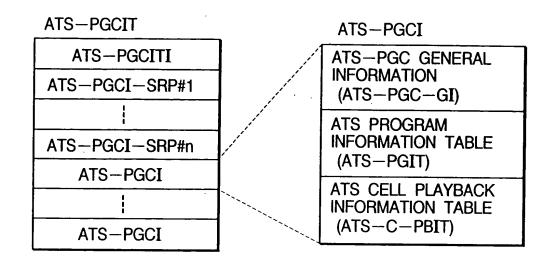
#### ATS-PGCI-SRP

RBP		BYTE NUMBER
0~3	ATS-PGC CATEGORY (ATS-PGC-CAT)	4
4~7	ATS-PGCI END ADRS	4

## FIG. 82

ATS-PGC-CAT b26 b24 b30 b29 b28 b27 b25 b31 **ENTRY** ATS-TTN **TYPE** b23 b22 b21 b20 b19 b18 b17 , b16 **BLOCK MODE BLOCK TYPE** AUDIO CHANNEL NUMBER b12 b11 . b10 **b**9 b8 b15 b14 b13 AUDIO ENCODING MODE b0 b7 **RESERVED** 

FIG. 83



#### ATS-PGC-GI

RBP		BYTE NUMBER
0~3	ATS-PGC CONTENTS (ATS-PGC-CNT)	4
4~7	ATS-PGC PLAYBACK TIME (ATS-PGC-PB-TM)	4
8~9	RESERVED	2
10~11	ATS-PGIT START ADDRESS	2
12~13	ATS-C-PBIT START ADDRESS	2
14~15	RESERVED	2

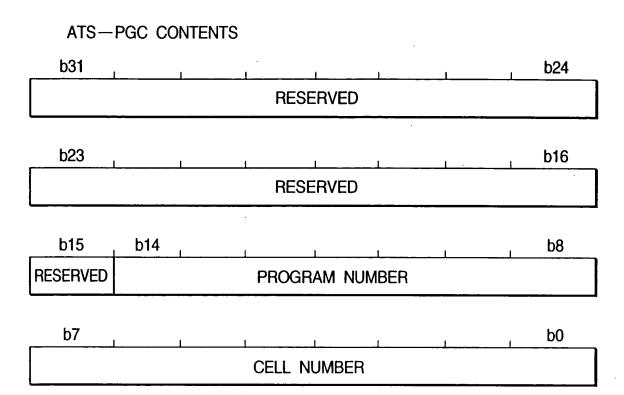


FIG. 86

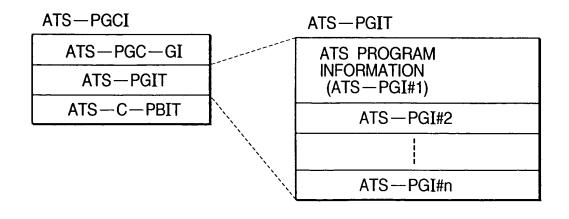


FIG. 87

Α	TS	 P	GI

RBP		BYTE NUMBER
0~3	ATS-PG CONTENTS (ATS-PG-CNT)	4
4	ATS-PG ENTRY CELL NUMBER	1
5	RESERVED	1
6~9	FAC-S-PTM	4
10~13	ATS-PG PLAYBACK TIME	4
14~17	ATS-PG PAUSE TIME	4
18	COPYRIGHT MANAGEMENT INFO CMI	1
19	RESERVED	, 1

ATS-PG-CNT

b31	b30	b29	b28	b27	b26	b25	b24
R/A	STC —F		ATRN		ChGr2 BIT SHIFT		
b23	b22	b21	b20	b19	b18	b17	b16
RESE	RVED	D-M	D-M EFFECT		DM — COEFTN		
b15	. b14	, b13	b12	b11	. b10	<b>b</b> 0	<b>L</b> O
F15		<del></del>	<del> </del>			b9	b8
F15	F14	F13	F12	F11	F10	F9	F8
b7	, b6	b5	b4	b3	b2	b1	, b0
F7	F6	F5	F4	F3	F2	F1	F0

FIG. 89

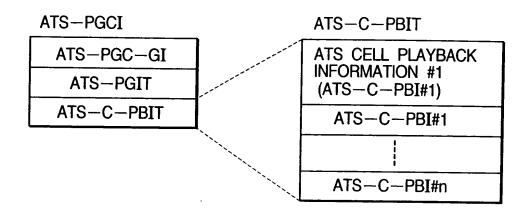


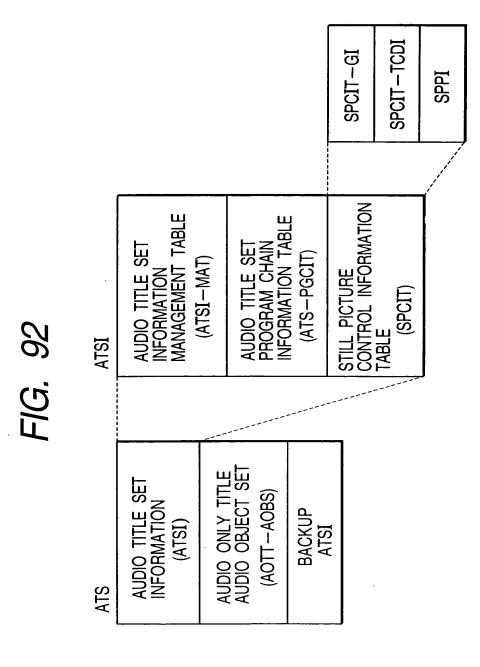
FIG. 90

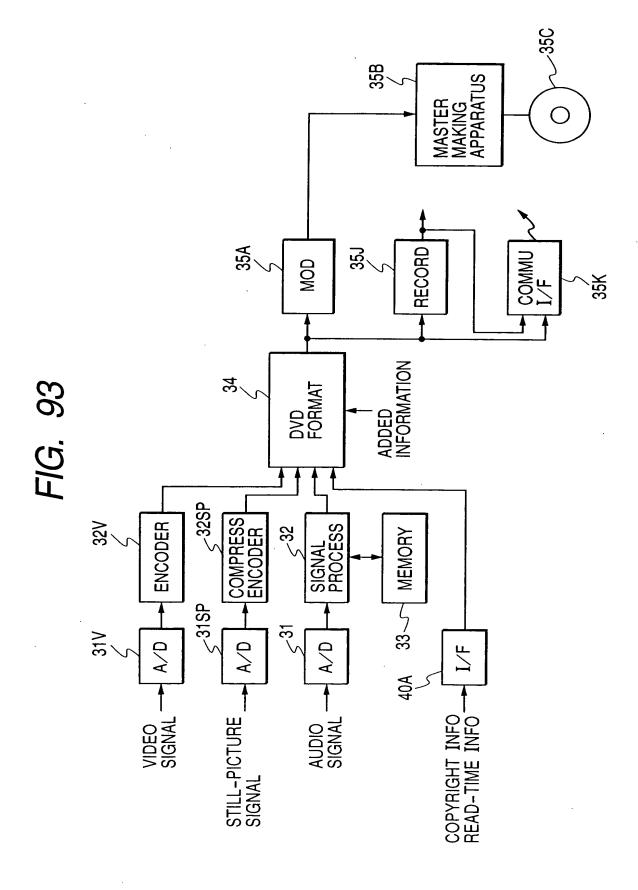
ATS-C-PBI

RBP		BYTE NUMBER
0	ATS-C INDEX NUMBER	1
1	ATS-C TYPE (ATS-C-TY)	1
2~3	RESERVED	2
4~7	ATS-C START ADDRESS	4
8~11	ATS-C END ADDRESS	4

ATS-C-TY FIG. 91

b7	b6	_ b5	b4	b3	_ b2	b1	, b0 ,
ATS-C-COMP RESERVED		ATS-C Usage					





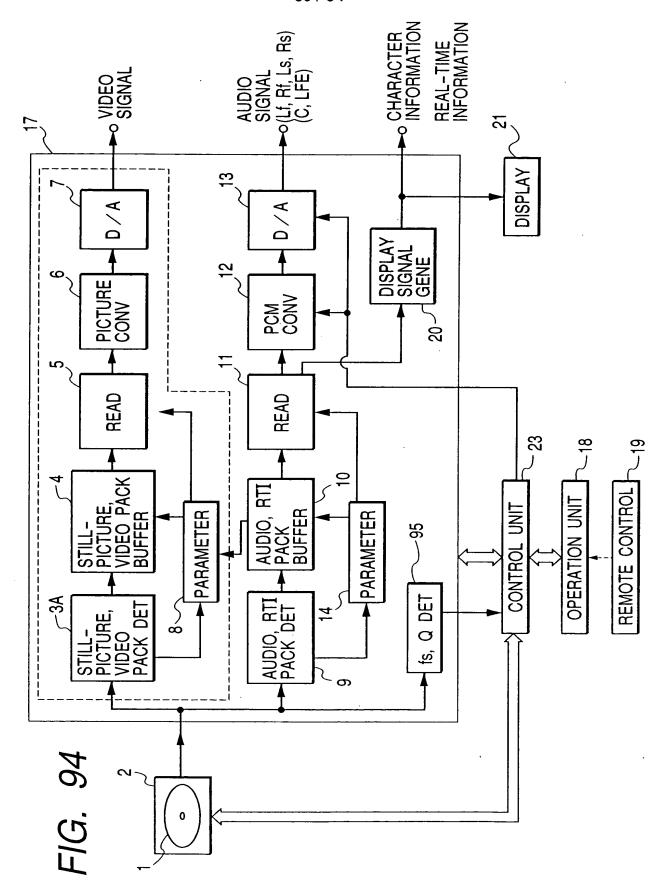
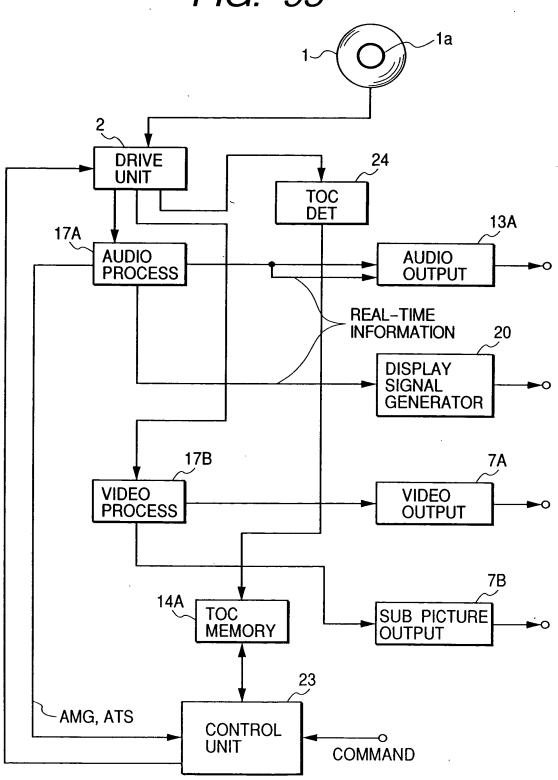


FIG. 95



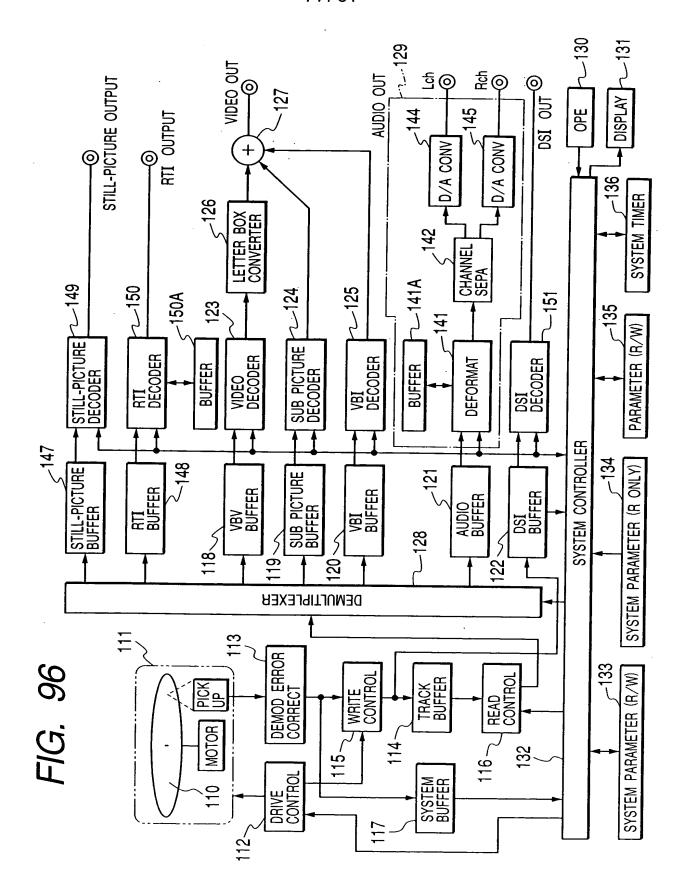


FIG. 97

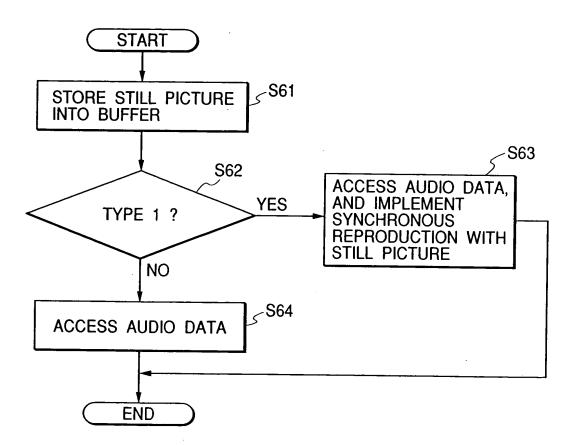
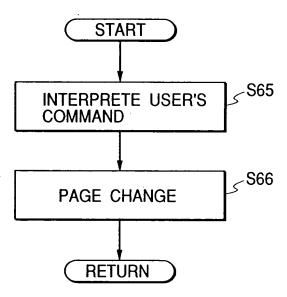
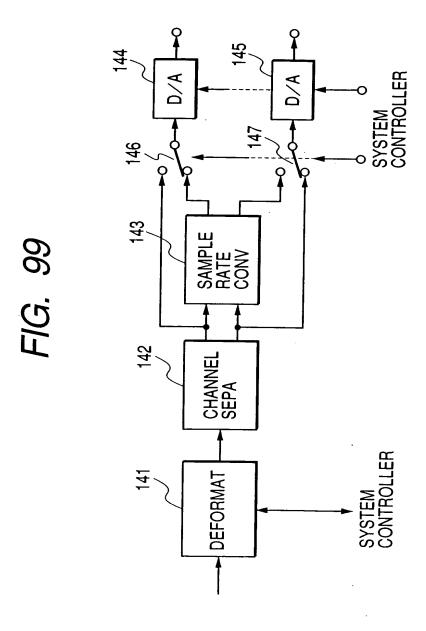
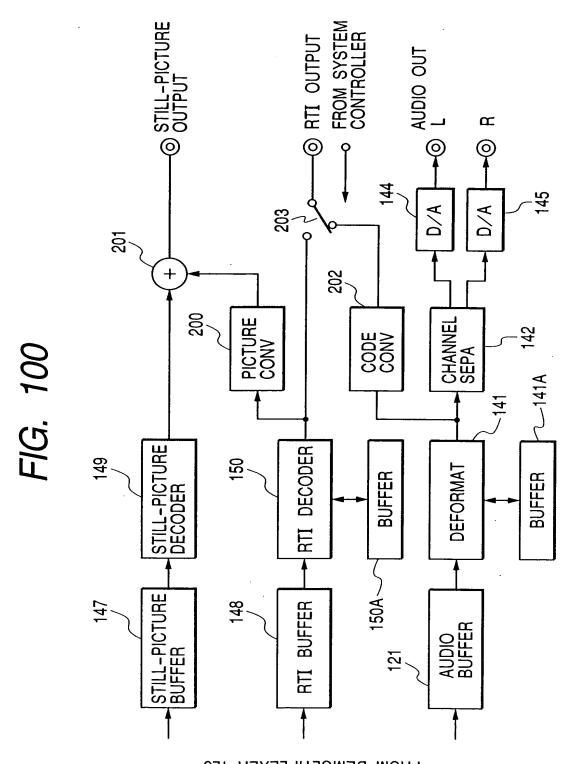


FIG. 98

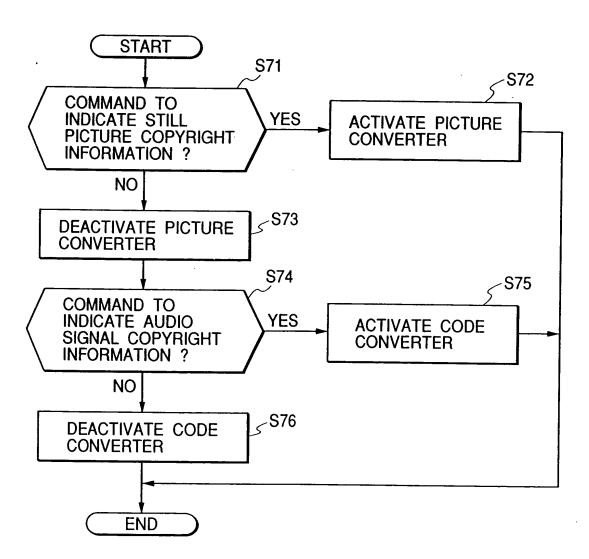






FROM DEMULTIPLEXER 128

FIG. 101



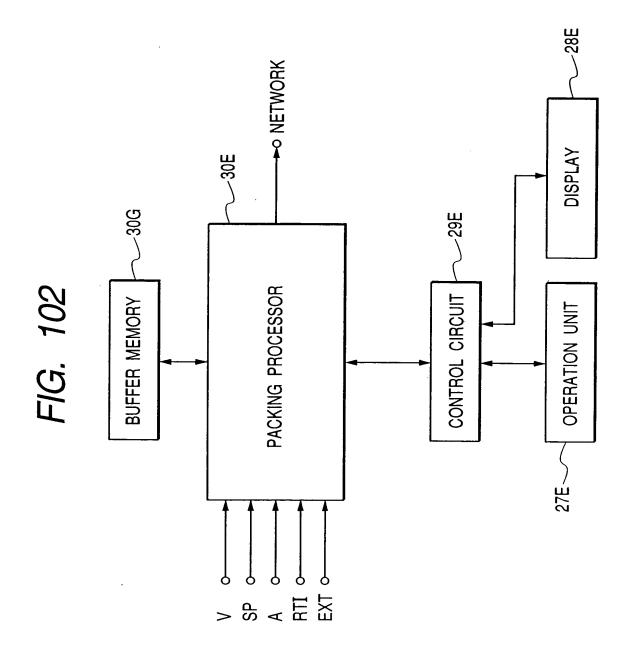
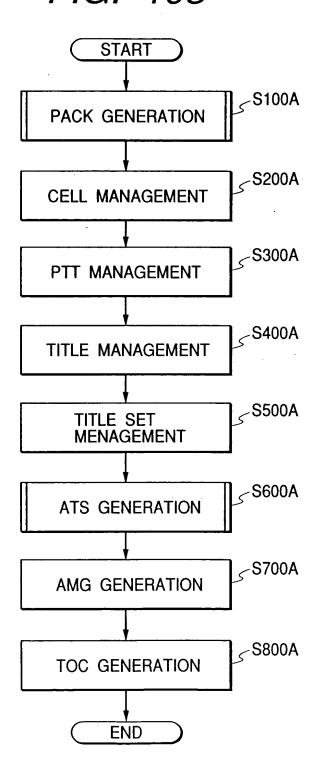
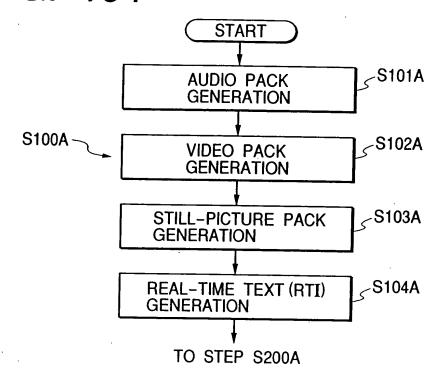


FIG. 103



## FIG. 104



## FIG. 105

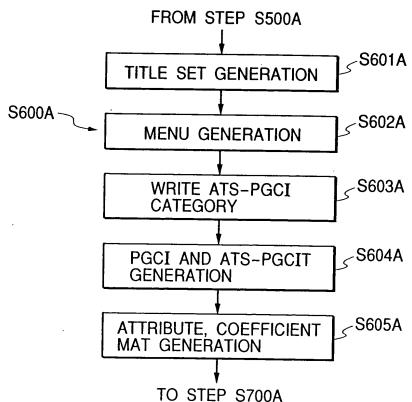
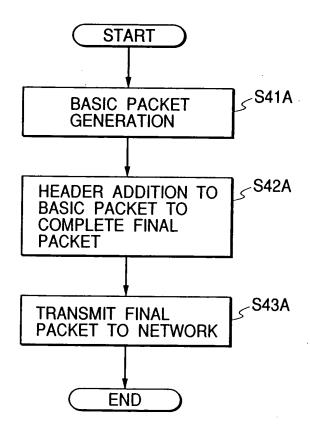


FIG. 106



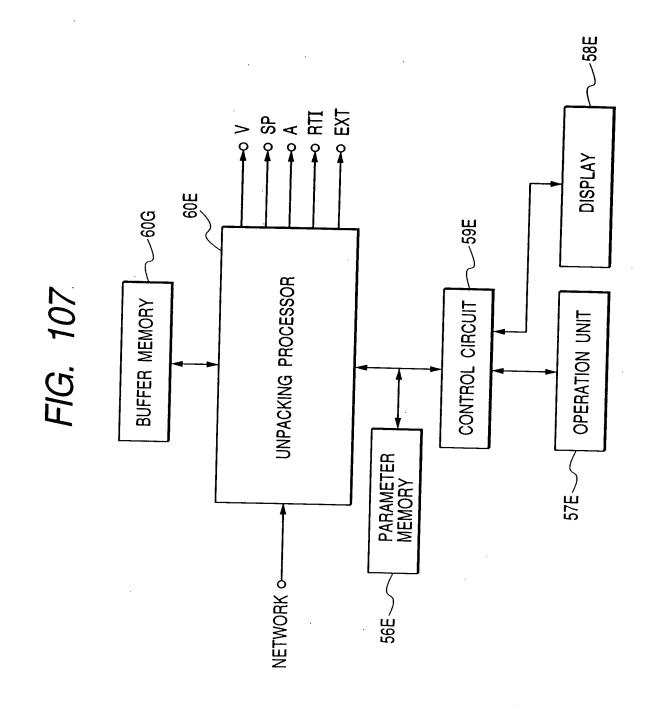


FIG. 108

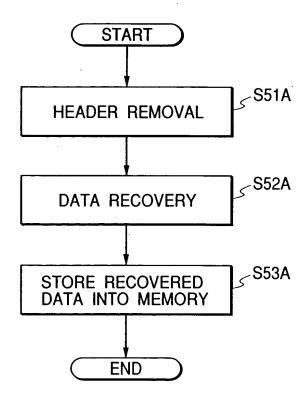
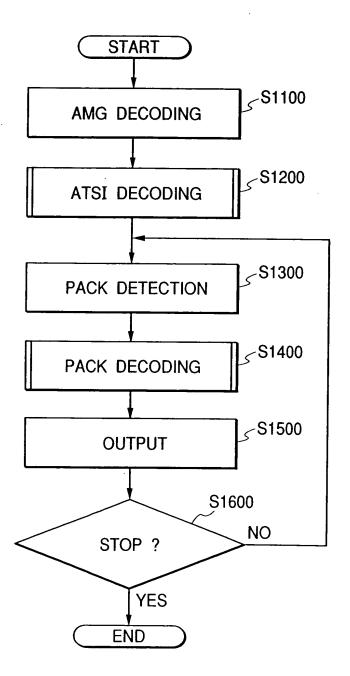
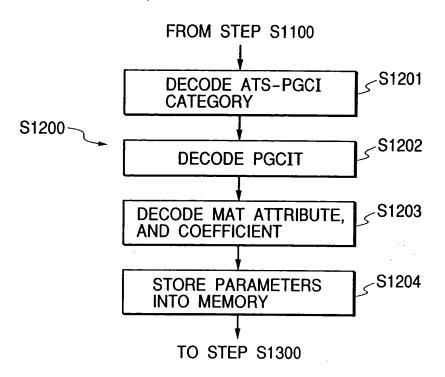


FIG. 109



## FIG. 110



## FIG. 111

